

What is claimed is:

1. A battery, comprising:
 - a cathode;
 - an anode; and
 - an electrolyte, wherein:
 - the anode has an anode collector and an anode active material layer which is provided on the anode collector and which is alloyed with the anode collector on at least a part of interface between the anode active material layer and the anode collector, and
 - the electrolyte contains an electrolyte solution containing cyclic carbonic acid ester having unsaturated bonds and an electrolytic salt.
2. A battery, comprising:
 - a cathode;
 - an anode; and
 - an electrolyte, wherein:
 - the anode has an anode collector and an anode active material layer which is formed on the anode collector by at least one method from the group consisting of vapor-phase method, liquid phase method and sinter method, and
 - the electrolyte contains an electrolyte solution containing cyclic carbonic acid ester having unsaturated bonds and an electrolytic salt.
3. A battery according to claim 2, wherein the anode active material

layer is alloyed with the anode collector on at least a part of interface between the anode active material layer and the anode collector.

4. A battery according to claim 2, wherein the anode active material layer includes at least one kind from the group consisting of a simple substance and compounds of silicon (Si) or tin (Sn).
5. A battery according to claim 2, wherein the electrolyte solution contains at least one of vinylethylene carbonate and vinylene carbonate.
6. A battery according to claim 2, wherein a content of the cyclic carbonic acid ester in the electrolyte solution is from 0.1 wt% to 30 wt%.
7. A battery according to claim 2, wherein the electrolyte further includes a holding body.
8. A battery according to claim 2, wherein film exterior members which house the cathode, the anode, and the electrolyte are further provided.
9. A battery according to claim 2, wherein the cathode contains a metal complex oxide including lithium.